

GPS to GIS: Pathfinder Systems

Course No. 1730-56

Course Description

This 4 day course is a comprehensive suite of theory, techniques, and hands-on practice to learn to use GPS equipment/software and work with collected data into a GIS. Course emphasis is on how to complete a GPS project from start to finish with confidence. Equipment and software used during the course for project planning and field exercises includes Trimble Mapping GPS receivers, TerraSync Field Software, Pathfinder Office software, and ESRI ArcGIS.

Course topics include:

Pre-Field: Global Positioning System, Pathfinder Office software, data dictionaries, receiver configuration, datums and coordinate systems.

Field: Data collection techniques, navigation, hands-on exercises.

Post-Field: Differential correction, metadata, edit GPS positions, export ESRI shapefiles, create GIS map.

Objective

Through classroom discussion and hands on exercises the participant will be able to plan and complete a GPS project, collect quality field data, and confidently export GPS data to a GIS and create a map.

Target Group

Field specialists who are actively involved with GPS data collection and processing. GIS specialists who are involved in GPS data analysis and maintenance. Participants should bring a GPS receiver and digital camera to use during the course.

Length 4 days

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